

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 25, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Between 0.85-0.92" of rain was recorded over 5/19-5/21 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<p>-The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-5/25/06.</p> <p>- No obvious sediment tracking was present on the roadway. 5/25/06</p> <p>-Cable was being pulled from the vault at Plumtree Substation access drive. 5/17-5/25/06</p> <p>- Sawcutting was occurring along Rt 58. All catch basins with the exception of one (located just north of Hoyts Hill) were placed with filter fabric. 5/25/06</p> <p>- All areas along Whittlesey Dr. and Judd Ave were restored, seeded and mulched. 5/25/06</p> <p>-The stone access off Rt. 58 is in good shape but</p>	<p>- Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 5/25/06.</p> <p>-Work is mostly inactive at the jacking pit. Continue to monitor. 5/25/06</p> <p>- None at this time. 5/25/06</p> <p>-Continue to place controls on CBs where work will occur adjacent. 5/25/06</p> <p>- None at this time. Roadside areas look good. 5/25/06</p> <p>- Stone will be removed at the end of work here. See</p>	<p>- Not applicable (N/A)</p> <p>-N/A</p> <p>-N/A</p> <p>- Most CBs are being covered. One needed controls</p> <p>- Areas were all well restored.</p> <p>- N/A.</p>

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	some vehicle tracking remains in the wetland where the mats were removed. 4/12-5/25/06 - Work will return here eventually to connect to the trench. Ruts will be repaired at that time. 5/25/06	other sections for more information. 4/6-5/25/06 -Avoid backtracking into this area since the mats have already been pulled. Restoration should occur when work here is complete. 4/12-5/25/06	-Needs attention when work is complete
Trench and foundation construction	- Work at the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing but inactive at this time. Sheet piling/shoring is in place on both sides of the intersection. 5/25/06	- The area remains well contained at this time but the operation is running into significant problems with keeping water out of the trench. Work is on hold while other options are being evaluated. 4/26-5/25/06 - All instream diversions were removed 5/25/06	-N/A
	-Work is complete in the pull-off near vault 2a and b and the area should be restored. 5/10-5/25/06	-See EC section for more details. 5/25/06	-Recent rains delayed the restoration attempts
	-Sawcutting was observed along Rt. 58. 5/25/06	- See EC section for more details. Trench work on Rt. 58 will continue soon. 5/25/06	-N/A
	-Vaults were being accessed to pull cable between some locations. 5/25/06 -The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. 4/6-5/25/06	- None at this time. 5/25/06 - See erosion control section for more details 5/25/06	- N/A - N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Walnut Hill Rd.	- Work is complete near vault 2A&B. Silt fence remains in place but the area will need some restoration. 5/10-5/25/06	- Efforts were made to bring in topsoil but recent rains caused delays. 5/17-5/25/06 Keep stone surface to the minimum necessary. Allow natural revegetation where possible. 5/10-5/25/06	-Rains caused a delay in efforts

Areas of Inspection	Observation	Recommended Action	Corrective Action
Jack and Bore	-The plastic liner and sandbag diversions were removed from the stream. Work is on hold for the time. 5/25/06	-The stream was still running clear at the time with a natural bed. New solutions are being investigated. 5/25/06	-N/A at the time
Whittlesey Dr and Judd Ave	- Previously disturbed areas adjacent to the trench were all well restored. 5/25/06	- Continue to monitor. None at this time. 5/25/06	- Restoration was complete
Rt. 58	- One catch basin located north of Hoyts Hill was noted without controls but the remainder were placed with filter fabric. 5/25/06	- Protect the remaining CB due to sawcutting in the area. 5/25/06	- Most CBs are being covered. One needed controls
Hoyts Hill	-Equipment tracking was noted in the wetland beyond the stone access where mats had previously been. 4/19-5/25/06	- Mats may have been removed prematurely. The wetland surface should be restored when work is complete here. 4/19-5/25/06	-Needs attention when work is complete
Inland Wetland and Watercourse encroachment and mitigation	-East Swamp Brook crosses under Plumtrees Rd. Sandbags and liners were removed from the stream. 5/25/06 -Problems with excess water continue in the trench and further methods are being evaluated. 5/4-5/25/06.	- The stream continues to run clear with the natural substrate restored. 5/25/06 - Sheet piling in the stream may be necessary and appropriate permits will be obtained. Options are still being evaluated 5/4-5/25/06	-Sandbags and liners were removed - N/A at this time.
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area. -The wood turtle was noted at Plumtree Substation during the inspection. 5/25/06	- N/A -345kV XLPE crews should also be performing daily walkthroughs before moving equipment while working in the vault. Be vigilant when moving equipment. 4/26-5/25/06	-N/A - Crews were informed

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Vegetative clearing limits (including trees to save or danger trees noted)	<p>-All previously disturbed areas along the roadsides were well restored. 5/25/06 (Vault 2 remains)</p> <p>- When restoring vault 2, a stone surface will be necessary over the vault but wetland vegetation is returning near the silt fence. 5/4-5/25/06</p>	<p>-Monitor for vegetation. 5/25/06</p> <p>- Keep the stone area to the minimum necessary and restore vegetation in the remaining area. 5/4-5/25/06</p>	<p>-Restoration had occurred.</p> <p>- Efforts were delayed by rain</p>
Dewatering	-The amount of water continues to overwhelm the dewatering efforts at the jack and bore. Work is on hold. Further actions are being evaluated here. 5/25/06	- The diversions were all removed from the stream and sheet piling cofferdams are being permitted. 5/25/06	-N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	<p>- Little soil movement was noted due to the break in work. 5/25/06</p> <p>- Topsoil remains stripped and stockpiled at the contractor yard. 3/15-5/25/06</p>	<p>- None at this time. Soil work is limited at the moment. 5/25/06</p> <p>- None at this time. Controls are well installed here. 3/15-5/25/06</p>	<p>- N/A</p> <p>-N/A</p>
Spills and Material Storage Areas	<p>- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-5/25/06</p> <p>-Brush, scrap sheet piling, and the dewatering box have</p>	<p>- Report spills immediately, even if they are being controlled.</p> <p>- Any fuels and agents not in use should be covered and stored before leaving for the day.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- None at this time. 5/25/06</p>	<p>-N/A at the time</p> <p>- The materials were removed</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	been removed from the wetland vegetation near the receiving pit. 5/25/06		

Next likely scheduled inspection:

Thursday June 1, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



**345kV XLPE: Both photos show the stream in the vicinity of the jack & bore. All sandbag diversions and liners were removed from the other as other alternatives are being permitted.
5/25/06**



Photo shows where the dewatering box and additional materials were moved out of the wetland vegetation adjacent to the receiving pit at the J&B. 5/25/06



Photo on the left shows the area of vault 2 which is waiting to be restored. Photo on the right shows where roadside areas along Whittlesey Dr. have been restored, seeded and mulched. 5/25/06



Photo on the left shows the intersection with Judd Ave with roadside areas restored. Photo on the right shows the sawcutting along Rt. 58. Most catch basins were protected with filter fabric. One located just north of Hoyts Hill was left uncovered. 5/25/06